

## Novel catalyst for ethylene trimerization, its preparation process and application

**Patent number:** CN1256968  
**Publication date:** 2000-06-21  
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**Classification:**  
- **International:** B01J31/00; B01J31/12; B01J31/14; B01J31/18; B01J31/34; C07C2/26; C07C2/30; C07C11/107  
- **European:**  
**Application number:** CN19990120585 19991009  
**Priority number(s):** CN19980125382 19981215; CN19990120585 19991009

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### Abstract of CN1256968

The present invention relates to a quaternary chrome series catalyst for ethylene trimerization to prepare 1-hexane. Said catalyst contains a chrome compound, a pyrrole derivative, a trialkylaluminium and an accelerant. Said accelerant is a kind of halogenated alkyl substituted aromatic or halogenated aromatic compound whose aromatic ring contains at least one C1-2-alkyl radical substituted by at least two halogen atoms at alpha-site. Said catalyst features high reaction activity and selectivity and less by-product. Said invention also provides its preparation method.

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